



Pinex® Verified specified for Residential Applications through NZS 3604 or Specific Design

Product Technical Statement

<p>Product Description</p>	<p>Pinex Verified is a structural timber member manufactured by Carter Holt Harvey Woodproducts (CHHWP) for use as residential framing in weather exposed applications. Pinex Verified is a range of sawn timbers available wet (moisture content greater than 16 %) that has been graded as SG8 prior to being treated. Available in a variety of sizes and lengths Pinex Verified is typically supplied H3.2 CCA treated for use in above ground, external applications like decks and veranda rafters.</p> <p>An alternative to No. 1 framing, Pinex Verified is verified as SG8 by machine grade testing prior treatment.</p>
<p>Scope of Use</p>	<p>Pinex Verified, specified as SG8 wet in service in NZS 3604 Timber Framed Buildings (NZS 3604), is suitable for use as structural members in the framing of decks in houses and similar buildings within the scope of NZS 3604.</p> <p>Pinex Verified may also be used as a structural framing member for specifically designed building components in accordance with NZS 3603 Timber Structures Standard (NZS 3603) when designed by a Chartered Professional Engineer, and where due consideration of the 'wet in service' Characteristic Stresses have been taken into account. Like any 'wet' product, due consideration to creep and detailing must take into account moisture movement within the service life of the product.</p>
<p>Limitations / Disclaimer</p>	<p>Pinex Verified members treated to H3.2 may not be used in situations where they may be in direct contact with the ground. As a CCA treated product, any cuts, holes, or notches shall have the treatment envelope reinstated using brush on preservative treatments like End Seal or Metalex. Supplied as a wet in service product, Pinex Verified is subject to creep and shrinkage during its service life, due consideration should be taken into account in design and detailing.</p> <p>Please refer to the current Pinex Literature for information, limitations, and cautions regarding the storage, handling, installation, usage, and maintenance of Pinex Verified.</p>
<p>Compliance with the New Zealand Building Code</p>	<p>Pinex Verified will, if specified and employed in accordance with the prescribed span, loading and installation requirements, assist in meeting the following provisions of the NZBC:</p> <p>Clause B1 Structure: Performance B1.3.1, B1.3.2, B1.3.3 (a, b, c, q), B1.3.4(d)</p> <p>The design properties of Pinex Verified are stress graded 'dry' to Australian/ New Zealand Standard 1748: Timber Solid Stress Graded for Structural Purposes with properties determined using Australian / New Zealand Standard 4063: Characterisation of structural timber and Verified to New Zealand Standard 3622: Verification of timber properties for use with NZS 3603 and NZS 3604.</p>



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	<p>Span tables for wet in service SG8 within NZS 3604 form part of Acceptable Solution B1/AS1, 3.1.</p> <p>Clause B2 Durability: Performance B2.3.1 when used and treated to the requirements of NZS 3602 as modified by B2/AS1</p> <p>Pinex Verified is available treated to levels that meet the requirements of Clause B2 (Durability) of the NZBC. As such, if the product is treated and used in accordance with the required treatment levels prescribed in NZS 3602, as modified by B2/AS1 Clause 3.2.2, it will form part of an Acceptable Solution and comply with the requirements of the NZBC.</p> <p>Clause F2 Hazardous Building Materials: F2.3.1</p> <p>Pinex Verified meets this requirement and will not present a health hazard to people.</p>
<p>Quality Assurance</p>	<p>CHHWP has strict quality assurance processes in place to monitor that Pinex Verified adequately satisfies structural and visual requirements. Bureau Veritas has been contracted to undertake independent, third party auditing of the Machine Stress Grading processes at our structural mill sites. Independent audit inspections are carried out bi-annually and include:</p> <ul style="list-style-type: none"> • Audit of the Machine Stress Grading process and procedures • Assessing the competence of personnel in relation to skills and knowledge requirements • Verification of the calibration of testing equipment
<p>Sustainability</p>	<p>Pinex Verified is sawn from plantation pine grown in New Zealand. It is grown on tree farms which are tended and harvested to provide wood for Pinex Verified and other applications. The crop is managed on a sustainable basis to yield millable trees. New Zealand plantations are managed in compliance with the New Zealand Forest Accord, a voluntary agreement signed in 1991 between New Zealand forest managers and environmental nongovernment organisations.</p> <p>Pinex Verified is manufactured at our Nelson, Kawerau and Whangarei Sawmills. Pinex Verified is available Forest Stewardship Council® (FSC®) (SCS-COC-001317, SCS-COC-00403 & SCS-COC-001321) certified upon request.</p>
<p>Installation Requirements</p>	<p>Pinex Verified is to be installed in accordance with the specifications and installation details described in NZS 3604 or as detailed by the Chartered Professional Engineer, and good building practice taking into account the in service moisture content and any shrinkage that may occur.</p>
<p>Service Life</p>	<p>Pinex Verified will continue to satisfy the relevant performance requirements of the NZBC for 50 years provided that all of the requirements set out in this Product Technical Statement and the current Pinex Specification and Installation Guide are satisfied, and Pinex Verified is installed in accordance with the specifications and installation details described in NZS 3604.</p>



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Maintenance Requirements	Pinex Verified members will not normally require maintenance.
Product Support	<p>CHHWP provides extensive product support for our full range of wood based building products. By visiting www.chhwoodproducts.co.nz you can access all the latest information regarding our products including Product Guides, Specification and Installation Guides, Technical Notes, Information Bulletins, CAD Drawings, Design Software and other useful information.</p> <p>In addition to this CHHWP have a team of Engineers and Technical Experts available to assist with any product enquiries. You can contact the team by calling 0800 746 399 or by emailing woodproducts@chhwoodproducts.co.nz.</p>
Legal Disclaimer	<p>The information contained in this document is current as at August 2015 and is based on data available to CHHWP at the time of going to print.</p> <p>CHHWP reserves the right to change the information contained in this document without prior notice. It is your responsibility to ensure that you have the most up to date information available. You can call toll free on 0800 326 759 or visit www.chhwoodproducts.co.nz to obtain current information.</p> <p>CHHWP has used all reasonable endeavours to ensure the accuracy and reliability of the information contained in this document. However, to the maximum extent permitted by law, CHHWP assumes no responsibility or liability for any inaccuracies, omissions or errors in this information nor for any actions taken in reliance on this information.</p>